INSULATION INDUSTRIES

Notes regarding combustion fires:

Insulation Industries only offers the sale of fire and heater flue pipes, cowls, hats, ceiling plates and other heating related products.

<u>We are not qualified to advise or certify the installation of combustion or gas fire flue pipes or any other related hardware</u>.

Our company does not, and will not at any time make representations or remarks regarding such practices.

We are not in any way, shape or form responsible for the way and manner in which you construct, bind or fit your heating system to your property or residence.

For advice on installation please refer to the Australian Standards manual or a qualified tradesperson only.

If you require clarification on any matters regarding installation or design of heating apparatus we are happy to refer you onto a qualified tradesperson.

Regards,

Staff and Management

INSULATION INDUSTRIES

Typical flue system components and costs*

Description	Comments	Price/piece ea. (incl. GST)	Price (ext. incl.GST)
Stainless steel Flue 150mm diameter	Usually 4 required	**$48.40**	**$193.60**
Galvanised flue 200mm aka liner	Usually 2 required	**$33.00**	**$66.00**
Galvanised flue 250mm aka outer flue	3 required (depending on job)	**$38.50**	**$115.50**
Dektite 250mm	1 required	**$45.25**	**$45.25**
Stainless steel combo cowl 150mm	1 required	**$110.00**	**$110.00**
Zinc drop box 250mm	1 required, needs to be 150mm below the ceiling line, containing the 200mm liner and the 150mm active flue.	**$82.50**	**$82.50**
Cover plate for ceiling penetration	1 required	**$44.00**	**$44.00**
		Total	**$656.85**

***This grouping of goods reflects the most common combination of parts required to fix/maintain/develop a working flue system and does not necessarily reflect your needs. The above table presents a 'worst case scenario' and in your case may cost less. Consult the manufacturer's specifications for clarification.**

Typical flue installation*

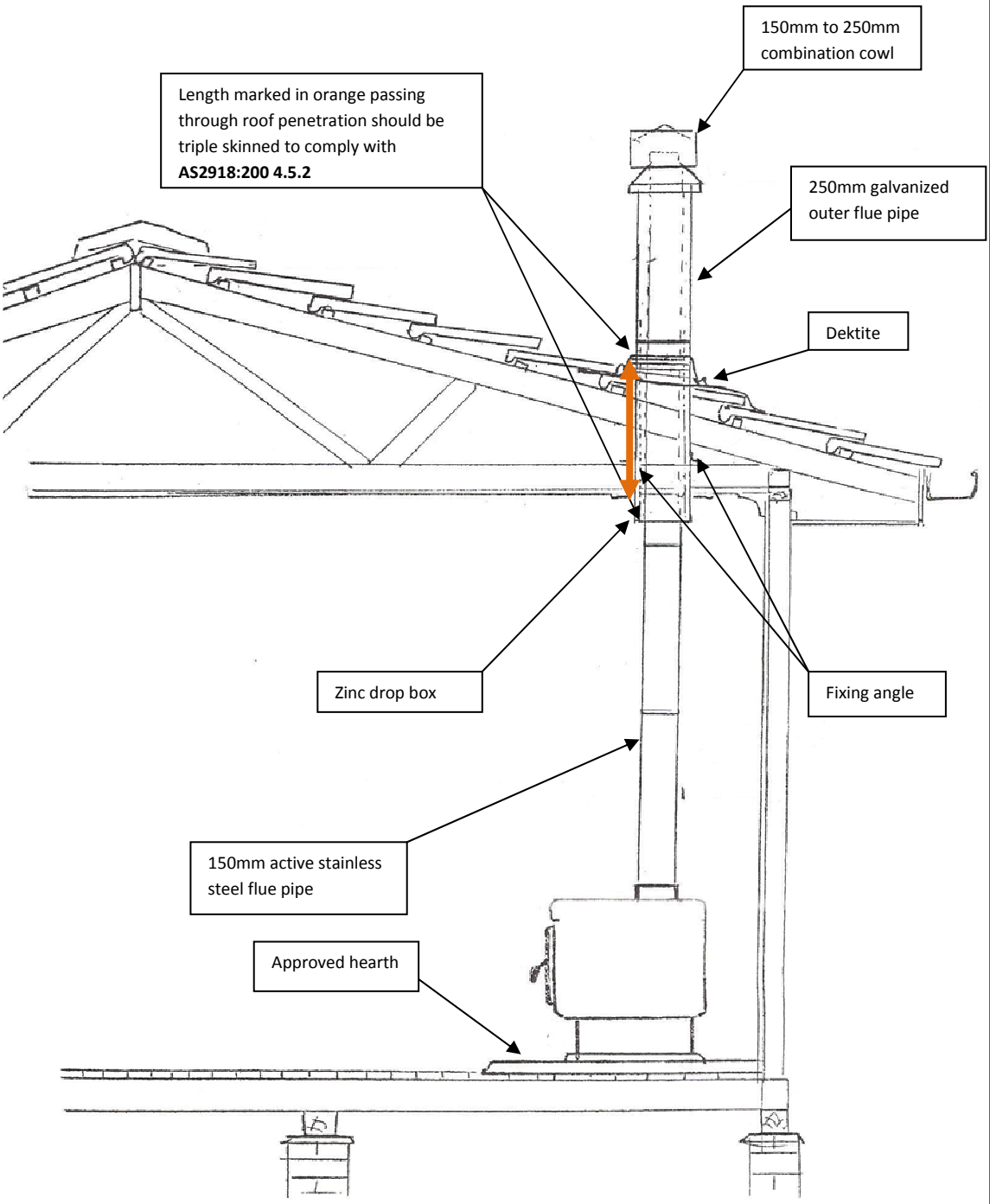
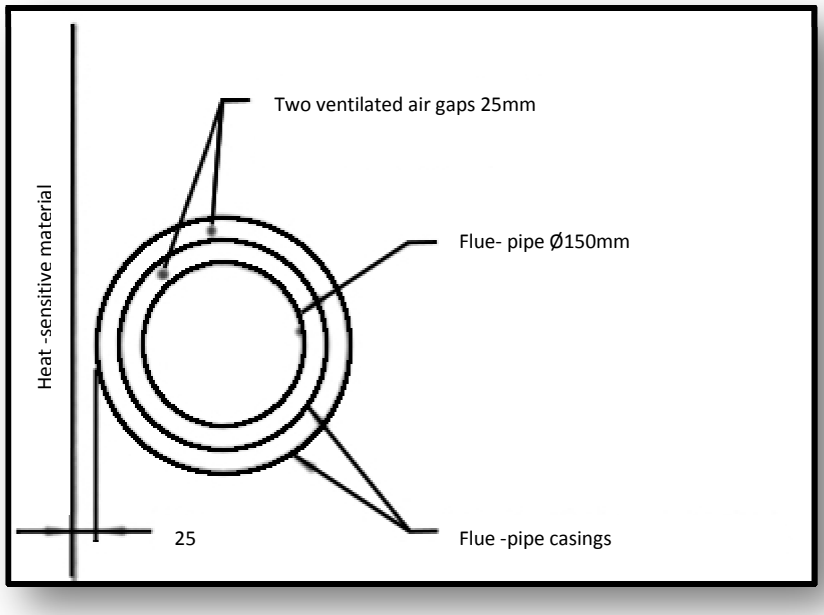


*Illustration intended to be used as a guide only. For clarification or advice consult an accredited installer.

Extract from the document titled ***"AS/NZS 2918:2001 Domestic solid fuel burning appliances – Installation"***



Note: Where the thickness of the pipe is less than 1.0mm the air gap may include the thickness of the material.

DIMENSIONS IN MILLIMETRES

FIGURE 4.2 EXAMPLE OF MINIMUM CLEARANCE OF A VENTILATED DOUBLE UNPERFORATED FLUE SYSTEM

4.5.2 Heat Shield

Safety clearances specified in Clause 4.5.1 may be reduced by the provision of an appropriately positioned heat shield. Any such heat shield may comply with Clause 3.2.3, as appropriate.

Any flue mounted heat shield shall consist of heat-resistant material, of type and thickness as specified in Clause 2.4 and shall be separated from the flue pipe by a gape of not less than 25mm. To minimize the funnelling of a hot air stream onto the ceiling, the shielding shall terminate not less than 600mm below the ceiling. Provided that the flue-mounted heat shield is not less than 1200mm tall, the proportion of the flue between the top of the shield and the ceiling may be regarded as being shielded when applying the 'Clearance Factor' (test results show that the flue gasses have cooled considerably by the time they reach the top of the flue heat shield, so the shielding effect of the flue heat shield is not required above this height). Any such heat shield shall have a clearance factor of 0.5 (see Clause 3.2.3).

For heat shields attached to the wall, the air gap ventilation shall be in accordance with the corresponding requirements for the appliance heat shields specified in Clause 3.2.3 (see Figure 4.3). The clearance factors given in Tables 3.1 and 3.2 shall apply.